

## Message Text

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ACTION EB-07

INFO OCT-01 ISO-00 DODE-00 NSAE-00 TRSE-00 ERDA-05 CIAE-00

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TO SECSTATE WASH DC 6308

C O N F I D E N T I A L SECTION 01 OF 03 OECD PARIS 08176

EXCON

E.O. 11652 XGDS1

TAGS: ESTC, COCOM

SUBJECT: COCOM LIST REVIEW - IL 1500.1 NI - FREQUENCY  
SYNTHESIZERS

REFS: A. COCOM DOC. REV (74) 1500.1 NI/2 (OECD PARIS

6269)

B. COCOM DOC REV (74) 1500.1 NI/W. P.3

C. COCOM DOC REV (74) 1500.1 NI/W. P.2

SUMMARY AND ANALYSIS: THROUGH TWO FULL DAYS OF MEETINGS ON MARCH 26 AND 27, THE FRENCH DELEGATION OBVIOUSLY AND CONSISTENTLY STYMIED DISCUSSION OF THE DETAILS OF THE BRITISH PROPOSAL TO SEPARATELY DEFINE FREQUENCY SYNTHESIZERS NOW COVERED BY THE GENERAL ELECTRONIC TEST EQUIPMENT ITEM (161529). THE BURDEN OF THE FRENCH TECHNICAL ARGUMENTATION IS THAT, ON THE BASIS OF THE COCOM NEGOTIATING HISTORY, ONLY FREQUENCY SYNTHESIZERS EMPLOYING CRYSTAL-SAVING TECHNIQUES HAVE BEEN EMBARGOED, AND, WHILE THE GOF IS PREPARED TO ACCEPT JUSTIFIABLE INCREASES IN COVERAGE, IT CONSIDERS THAT LABORATORY SYNTHESIZERS EMPLOYING THE PHASE LOCKED LOOP TECHNIQUE SHOULD NOT BE EMBARGOED. THE FRENCH DEL REJECTED LIBERALIZED PARAMETERS FOR SOME SYNTHESIZERS AND APPEARED THROUGHOUT THE DISCUSSION TO BE ATTEMPTING TO COURT US SUPPORT AGAINST THE UK AND NETHERLANDS IN  
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EDGING THE COMMITTEE TOWARD EVENTUAL TRADE-OFF ON TIGHT

CONTROLS ON SYNTHESIZERS INCORPORATED IN EQUIPMENTS (TRANSMITTERS, RECEIVERS) IN RETURN FOR MAINTAINING ITS INTERPRETATION THAT LABORATORY SYNTHESIZERS SHOULD NOT BE EMBARGOED OR IF NECESSARY HAVE RELAXED COVERAGE. BRITISH AND DUTCH NEGOTIATORS HAVE INSISTED IN L BILATERAL DISCUSSIONS WITH THE US THAT THE LATTER ARE BEING SHIPPED IN QUANTITY FROM FRANCE WITHOUT REFERENCE TO COCOM PROCEDURES. BOTH COUNTRIES DESIRE THAT THE NEW DEFINITION WILL REQUIRE THE FRENCH TO CEASE SUCH SHIPMENTS. IN THE VIEW OF THE USDEL AND WASH TEAM SATISFACTORY RESULT WILL PROBABLY BE UNATTAINABLE BECAUSE OF THE DETERMINED STAND BEING TAKEN BY FRANCE TO AVOID THE NECESSITY OF CURBING EXPORTS OF FREQUENCY SYNTHESIZERS. ACTION REQUESTED: THE FINAL US POSITION ON THIS ITEM SHOULD BE BASED ON AN ANALYSIS OF WHETHER EMBARGO ON FREQUENCY SYNTHESIZERS CAN HAVE ANY EFFECTIVENESS IF IT IS NOT BEING OBSERVED EQUALLY BY ALL PC'S.

1. THE UK INTRODUCED THEIR REVISED PROPOSAL FOR FREQUENCY SYNTHESIZERS (REF A) BY PRESENTING THEIR ARGUMENTS IN FAVOR OF THE PROPOSAL AND THEIR INTERPRETATION OF THE FRENCH ARGUMENTS AGAINST THE PROPOSAL AS EXPRESSED IN ROUND I. THE JAPANESE CHANGED THEIR INTERPRETATION GIVEN IN ROUND I AND AGREED WITH THE UK AS DID THE ITALIANS. THE FRENCH COUNTERED WITH THEIR OWN ARGUMENTS AND LENGTHY DISCUSSIONS ENSUED BETWEEN BOTH DELEGATIONS. MOST OBSERVING DELEGATIONS COULD ONLY SPECULATE ABOUT FRENCH MOTIVATION AND THE US INTERPRETED THE LENGTHY FRENCH DISCOURSES AS FILIBUSTERING TACTICS.

2. MOST DELEGATIONS OBSERVED THAT WHAT WAS NEEDED WAS A CLEAR DEFINITION OF A "FREQUENCY SYNTHESIZER". THE GERMAN DELEGATION SUGGESTED SOME LANGUAGE BUT A TECHNICAL WORKING GROUP WAS SUGGESTED FOR THE PURPOSE OF COMING UP WITH LANGUAGE SUITABLE TO ALL DELEGATIONS. ALL DELS AGREED TO THE FORMULATION OF A TWG (THE FRENCH RELUCTANTLY) AND A DEFINITION WAS SUBMITTED TO THE MAIN COMMITTEE (REF B).

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3. THE FULL COMMITTEE CONVENED TO CONSIDER THE UK REVISED COUNTERPROPOSAL (REF A) POINT BY POINT. THE FRENCH ENTERED A GENERAL RESERVE ON THE WHOLE OF THE UK PROPOSAL CLAIMING THEY HAD TO STUDY THE EFFECTS OF THIS NEW ITEM ON ITEMS 1501, 1516, 1517, AND 1529. THEY FELT SOME ITEMS OF IMPORTANCE IN 1501 MIGHT BE RELEASED UNDER THIS UK PROPOSAL.

4. THE UK HEADING RAN INTO TROUBLE EARLY WITH SOME SUG-

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INFO OCT-01 ISO-00 DODE-00 NSAE-00 TRSE-00 ERDA-05 CIAE-00

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C O N F I D E N T I A L SECTION 02 OF 03 OECD PARIS 08176

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GESTIONS FOR DELETION OF ALL WORDS IN PARENTHESES. THE UK IN AN EFFORT TO CUT OFF DEBATE OFFERED TO TAKE THE VIEWS OF DELEGATES ON THE ITEM BACK AND STUDY THEM FOR A NEW REVISION OF THEIR PROPOSAL.

5. ALL DELEGATIONS ACCEPTED SUBITEM (A) EXCEPT THE FRENCH WHICH RESERVED CLAIMING THIS WOULD HAVE ADVERSE IMPACT ON 1501.

6. THE GERMAN DELEGATION SUGGESTED DELETION OF ALL THE WORDS IN PARENTHESES IN SUBITEM (6) AND ALL DELEGATES AGREED WITH THE UNDERSTANDING THAT THESE TYPE INSTRUMENTS WERE INCLUDED IN THE GENERAL HEADING OF FREQUENCY SYNTHESIZERS. THE NETHERLANDS AGREEMENT WAS SUBJECT TO THE UNDERSTANDING THAT FREQUENCY SYNTHESIZERS USED IN TELEVISION RECEIVERS WOULD BE EXCLUDED.

7. ALL DELEGATES ACCEPTED (EXCEPT FRANCE WHICH RESERVED) SUBITEM (I). THE US SUGGESTED A FLOOR LIMIT OF 10 HZ IN SUBITEM (II)(1) WHICH WOULD HAVE THE EFFECT OF DELETING (II)(1) BUT MOST DELEGATES OBJECTED CLAIMING SUCH A FIGURE WAS RIDICULOUS FOR 1 KHZ SYNTHESIZERS FOR EXAMPLE. ALL DELEGATES ACCEPTED THE UK (II)(1),

(2), AND (3) EXCEPT THE US. THE UK BILATERALLY STATED POSSIBLY A LOWER FLOOR LEVEL WOULD BE ACCEPTABLE TO ALL DELEGATES. NO FIGURE WAS MENTIONED BUT 1 HZ MAY BE CONFIDENTIAL

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APPROPRIATE.

8. EXCEPT FRANCE, WHICH RESERVED, ALL DELEGATES ACCEPTED (SOME AD REF) SUBITEM (III). THE FRENCH ASKED THE US IF OUR INTERPRETATION OF THIS SWITCHING TIME DIFFERED FROM THAT EXPRESSED IN PARAGRAPH 12 OF COCOM DOC. REV. (71) 1516/2. THE US OFFERED TO CHECK THIS REFERENCE AND ANSWER THE FRENCH QUESTION IN ROUND III.

9. THE US RESERVED ON SUBITEM (IV) CLAIMING SOVIET BLOC CAPABILITY DID NOT JUSTIFY CHANGING THE PRESENT LEVELS. THE UK EXPRESSED DISAPPOINTMENT SINCE THEY HAD TAKEN ACCOUNT OF US CONCERN STATED IN ROUND I BY DRAS- TICALLY REVISING DOWNWARD THEIR ROUND I LEVELS. ALL OTHER DELEGATES ACCEPTED (SOME AD REF).

10. THE GERMAN DELEGATION WANTED SOME RESTRICTION ON THE ACCURACY OF FREQUENCY SYNTHESIZERS ALONG THE LINES THAT A SYNTHESIZER HAD BY NATURE THE SAME LONG AND SHORT TERM STABILITY AS THE BASIC FREQUENCY STANDARD (REFERENCE) UTILIZED. MOST DELEGATES RESERVED AND WILL STUDY THIS POINT BEFORE ROUND III.

11. THE UK NOTE 1 WAS ACCEPTED BY GERMANY AND JAPAN. THE US, ITALY, NETHERLANDS, CANADA, AND FRANCE ACCEPTED AD REF. THE FRENCH WOULD ACCEPT IT ONLY AS THE NOTE RELATED TO 1529. THE CANADIANS ACCEPTED UNDER THE ASSUMPTION THAT IT ONLY APPLIED TO THE LABOR- ATORY INSTRUMENTS AND THAT THE SWITCHING TIME APPLIED TO FREQUENCY SWITCHING ONLY.

12. NOTE 2 WAS WITHDRAWN BY THE UK WITH THE UNDERSTAND- ING THAT THE DEFINITION STIPULATED IN REFERENCE B EN- COMPASSED THE EQUIPMENT CITED IN NOTE 2. CANADA, GER- MANY, JAPAN, ITALY , US, AND NETHERLANDS AGREED. THE FRENCH COULD AGREE IF THE LAST TWO LINES OF THE ORIGI-

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NAL GERMAN DEFINITION (REF C) WERE REINSTATED (FROM "AND HAVING THE SAME" TO "BASIC FREQUENCIES"). THE US STATED IF THESE WORDS WERE REINSTATED, THE DEFINITION COULD BE INTERPRETED TO EXCLUDE PHASE-LOCKED LOOP FREQUENCY SYNTHESIZERS BECAUSE THERE IS A CERTAIN AMOUNT OF PHASE ERROR. THIS MIGHT BE INTERPRETED SUCH THAT THIS PHASE ERROR TRANSLATED TO A FREQUENCY STABILITY WHICH WAS NOT THE SAME AS THE BASIC FREQUENCY REFERENCE.

13. ACTION REQUESTED: THE TECHNICAL TASK GROUP SHOULD EXAMINE THE DEFINITION OF FREQUENCY SYNTHESIZER AS WELL AS EACH POINT NOTED ABOVE IN THE LIGHT OF THE ROUND II DISCUSSIONS. WG-1 SHOULD ADDRESS ITSELF TO ANALYSIS OF FRENCH MOTIVATION IN ATTEMPTING TO TALK THE UK PROPOSAL TO DEATH AND TO DECIDING WHETHER THE PRESENT DEFINITION CAN BE EFFECTIVE GIVEN THE FRENCH INTERPRETATION OF WHAT IS ACTUALLY COVERED, AND ASSUMING THAT THE ANGLO-DUTCH EFFORT TO VOID THAT INTERPRETATION WILL BE BLOCKED BY CONTINUED FILIBUSTER.  
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## Message Attributes

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